



PIN	CONNECTION	PIN
1	Not connected	1
7	Ground	4
8	Output	5
14	Supply	8

Scale 1:1

## Specifications

**GXO-U100F: Full size (14 pin DIL)**

**GXO-U100H: Half size (8 pin DIL)**

Parameters	Variant		Option Codes
	F	H	
<b>Package style:</b> 14 pin DIL (full size) 8 pin DIL (half size)	■	■	
<b>Frequency range:</b> 125kHz ~ 160MHz	■	■	
<b>Frequency stability:</b> ±100ppm ±50ppm ±25ppm Other	■ □ □ □	■ □ □ □	B A specify
<b>Operating temperature range:</b> 0 to +70°C -40 to +85°C	■ □	■ □	I
<b>Storage temperature range:</b> -55 to +125°C	■	■	
<b>Supply voltage (V<sub>DD</sub>):</b> +5.0V (±5%)	■	■	
<b>Supply current (max):</b> 15mA (125kHz ~ 0.99MHz) 20mA (1.0 ~ 5.0MHz) 25mA (>5.0 ~ 24.0MHz) 30mA (>24.0 ~ 70.0MHz) 40mA (>70.0 ~ 90.0MHz) 50mA (>90.0 ~ 160MHz)	■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■	
<b>Driving ability:</b> 50pF HCMOS / 10 LSTTL (<50.0MHz) 30pF HCMOS / 5 LSTTL (>50.0MHz)	■ ■	■ ■	
<b>Output voltage:</b> '0' level = 0.4V max '1' level = 90% V <sub>DD</sub> min	■ ■	■ ■	
<b>Start up time:</b> 10ms max	■	■	
<b>Rise / fall times:</b> 6ns max (<80.0MHz) 5ns max (>80.0MHz)	■ ■	■ ■	
<b>Waveform symmetry @ 50% V<sub>DD</sub>:</b> 45:55 max (<50.0MHz) 40:60 max (>50.0MHz)	■ ■	■ ■	

■ Standard. □ Optional - Please specify required code(s) when ordering

## Features

- ▶ Standard frequencies held in stock
- ▶ Express manufacturing service
- ▶ Custom frequencies easily available
- ▶ Low cost for volume applications
- ▶ Industrial temperature range option

## Standard Frequencies

Frequencies in MHz		
1.00000	11.28960	28.63600
1.84320	12.00000	29.49120
2.00000	14.31818	30.00000
2.45760	14.74560	32.00000
3.68640	16.00000	33.33000
4.00000	16.38400	33.86880
4.09600	18.43200	40.00000
4.91520	19.66080	48.00000
5.00000	20.00000	50.00000
6.00000	24.00000	60.00000
8.00000	24.57600	64.00000
8.19200	25.00000	66.00000
9.83040	25.17500	72.00000
10.00000	28.32200	80.00000

Other frequencies available. Please consult our sales office.

## Ordering Information

Product name + variant + option codes (if any) + frequency  
e.g: **GXO-U100F 40.0MHz** ±100ppm 0+70°C (standard)

**GXO-U100F/BI 40.0MHz** ±50ppm -40+85°C

Option code X (eg GXO-U100F/X) denotes a custom spec.

♦ Gull wing version available for SM. Refer to our website for details.